
Use two equations with two variables to solve each problem.

1. Mrs. Bruce lacks 1 year from being 5 times as old as her son. Five years from now she will lack 1 year from being 3 times as old as her son will be then. Find each of their ages.
2. Mr. Lopez is 1 year more than 3 times as old as his daughter. Six years from now, he will lack 1 year from being $2\frac{1}{2}$ times as old as she will be then. Find each of their ages.
3. Mrs. Johnson is 3 times as old as her son. Ten years ago she was 5 times as old as her son was then. Find each of their ages.
4. Mr. King is 4 times as old as his daughter. Four years ago he was 6 times as old as his daughter was then. Find each of their ages.
5. The sum of 4 times Joan's age and 3 times Jim's age is 47. Jim is 1 year less than twice as old as Joan. Find each of their ages.
6. The sum of 6 times Jack's age and 5 times Larry's age is 63. Jack is 1 year less than 3 times as old as Larry. Find each of their ages.
7. The sum of 4 times Lisa's age and 7 times Jane's age is 169. Jane is 1 year more than twice as old as Lisa is. Find each of their ages.
8. The sum of 6 times Petra's age and 8 times Kathy's age is 162. Kathy is 1 year more than twice as old as Petra is. Find each of their ages.
9. The sum of 3 times Darlene's age and 7 times Sharon's age is 173. Darlene is 2 years less than twice as old as Sharon is. Find each of their ages.
10. The sum of 6 times Jennifer's age and 5 times James' age is 150. James is 2 years less than twice as old as Jennifer is. Find each of their ages.